

## CALIFORNIA REGIONAL PM10/PM2.5 AIR QUALITY STUDY

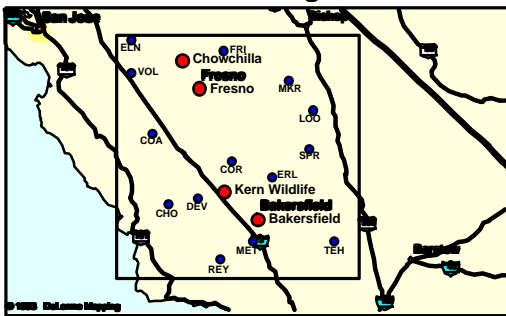
### 1995 Integrated Monitoring Study

Presented at:  
Particulate Matter Monitoring Forum  
March 16, 1998

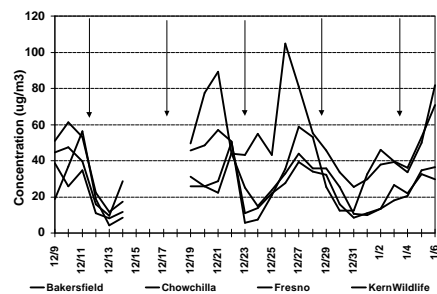
### 1995 Integrated Monitoring Study Objectives

- Provide an improved understanding of the nature and causes of elevated fall and winter PM concentrations
- Develop a database suitable for preliminary model evaluation
- Provide information to more effectively plan future field programs slated for 1999/2000

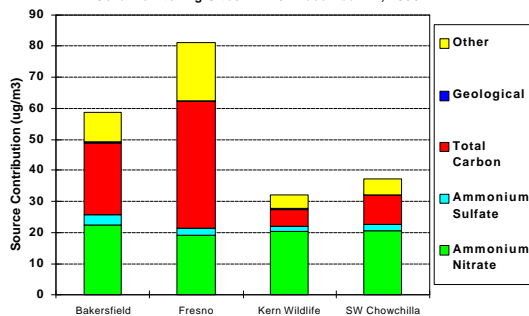
### 1995 Integrated Monitoring Study Winter Monitoring Domain



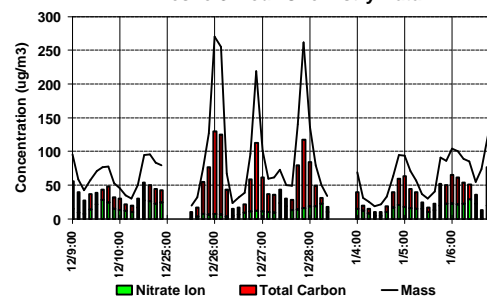
1995 Integrated Monitoring Study - Winter  
Core Sites 24-Hour PM2.5 Concentrations

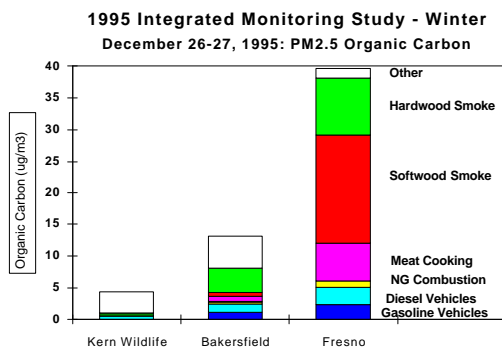
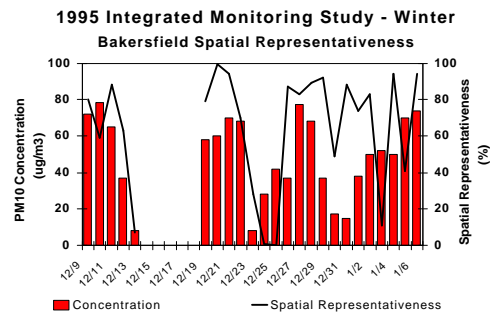
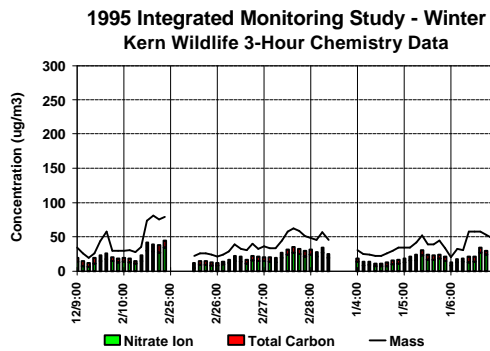


1995 Integrated Monitoring Study - Winter  
Core Monitoring Sites PM2.5: December 27, 1995



1995 Integrated Monitoring Study - Winter  
Fresno 3-Hour Chemistry Data





## Implications for Future Monitoring

- Enhanced temporal resolution - emphasis on continuous, species specific monitoring techniques
- Speciation, speciation, speciation - further development of organic speciation profiles and geological tracers
- Multiple sites may be needed to characterize population exposure within an urban area